

Please amend the present application as follows:

Specification

The following is a copy of Applicant's specification that identifies language being added with underlining ("___") and language being deleted with strikethrough ("—"), as is applicable:

Page 13, paragraphs [0056] and [0057]

Reference is now directed to FIG. 3, which presents a functional function diagram of an embodiment of software tool 300. As illustrated in FIG. 3, software tool 300 includes instrumentation engine 310, process monitor 320, debug interface 330, process-image store 340, breakpoint store 350, and backpatch engine 360. Before software tool 300 can collect and analyze performance information regarding a specific thread or process, instrumentation engine 310 inserts code into the target process or thread. Preferably, software tool 300 contains logic that in accordance with dynamic binary-instrumentation techniques, instruments only those portions of parent process 370 that will be executed by processor 210.

Instrumentation engine 310 may receive data via various input/output devices 230, data stored in memory 220 (FIG. 2), as well as various application(s) 224. The data will identify one or more target processes or threads to instrument. In addition, the data may include various parameters and flags that instrumentation engine 310 uses in generating parent process 370. Alternatively, instrumentation engine 310 can be programmed with one or more default parameters to apply when instrumenting (i.e., creating) the target process. Instrumentation engine 310, having received data identifying the target process or thread applies the various parameters and flags and instruments the target process to create parent process 370. Parent process 370 is an instrumented version of the identified target process or thread.